

Setseal 6

Acrylic concrete curing membrane and sealer



DESCRIPTION

Setseal 6 is a single component, ready to use acrylic resin based concrete curing compound designed to impregnate concrete surfaces, combining the benefits of a curing aid, dust-sealer and hardener.

Setseal 6 produces a thin membrane to the concrete surface, which protects the construction from rapid evaporation, making it less prone to crack.

Setseal 6 impregnates into the concrete surface and seals micro cracks, aiding to create a dust-free concrete surface with minimum maintenance requirements. Setseal 6 increases surface abrasion and resistance to dirt, water, oils, and other chemicals.

Rapid evaporation increases surface tensions – a common reason for surface flaking and cracks in the concrete floor. Escaped water increases the amount of unreacted cement, leading to surfaced efflorescence and reduced compressive strength of the construction.

Setseal 6 is used with dry shake floor hardeners Monoshake, TIBMIX 700, TIBMIX 450 and TIBMIX to construct high quality dust-free and abrasion resistant industrial concrete floors. Setseal 6 can also be used to cure plain concrete.

STANDARDS

Setseal 6 complies with EN 13813, Class SR-B1.5 and EN 1504-2.

METHOD OF USE

SURFACE PREPARATION

New concrete

Setseal 6 should be applied immediately following power floating/finishing of the concrete surface ensuring all excess surface water has evaporated prior to application of the Setseal 6.

Old concrete

All surfaces must be clean, dry and free from oil and other such contaminant.

MIXING

Stir the Setseal 6 before use.

TECHNICAL PROPERTIES:

Colour:	Clear liquid
Curing efficiency:	75% at 6 m ² per litre
Drying time @ 20°C:	
Tack free	4 hr
Hard dry	24 hr
Flash point:	40°C
Adhesion strength:	≥ 1.5 MPa (Class B1.5)
Capillary water absorption and watertightness:	< 0.1 kg / m ² .h ^{0.5}
Coefficient of degree of drying:	> 10% (Class II)
Application temperature:	5 to 30°C

APPLICATION

New concrete

Apply Setseal 6 by fine spray at a rate of 5 to 12 m² per litre. In severe drying conditions a second coat should be applied after 2 to 3 hours. Care should be taken to ensure complete coverage.

Old concrete

Apply Setseal 6 by squeegee, brush, spray or broom at a nominal rate of 5 to 10 m² per litre for the first coat, followed 5 to 8 hours afterwards by a second coat of 10 to 12 m² per litre.

Note: As the condition and therefore the porosity of concrete surfaces can differ so widely, it is recommended that a test application area be carried out to determine the precise coverage rate for each specific job.

WORKING CONDITIONS

Application range 5°C to 30°C.

Do not apply in external situations where rain is likely to come into contact with the uncured Setseal 6.

CLEANING

All equipment and tools should be cleaned thoroughly with Xylene and allowed to dry.

Don Construction Products

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Setseal 6

PACKAGING

Setseal 6 is available in 25 litre containers and 200 litre drums.

COVERAGE

The recommended coverage rate is 5 - 12 m²/ltr, depending on the substrate quality, absorption and material losses.

STORAGE

Setseal 6 has a shelf life of 12 months from date of manufacture if stored in closed containers above freezing (0°C) under dry, well ventilated warehouse conditions out of direct sunlight and away from naked flames or other sources of ignition.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

CAUTIONS

HEALTH AND SAFETY

For further information refer to the Material Safety Data Sheet.

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- » Protective coatings.
- » Sealants.
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- » Building products.
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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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